



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

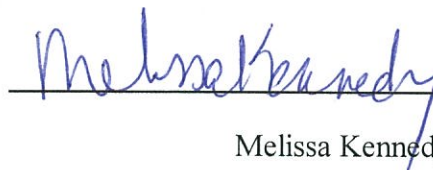
CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010420  
CERTIFICATION DATE: September 24, 2013  
DATE RECERTIFICATION DUE: March 23, 2014

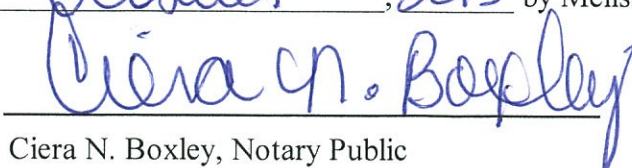
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

  
Melissa Kennedy

Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of October, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science  
Breath Alcohol Section  
Instrument Location History  
1/1/1990 To 9/27/2013

HMS  
10/2/13  
NWK

Instrument Serial Number: 010420

As of 27-Sep-13

Start Date	End Date	Agency Name
24-Sep-13		Galax PD
21-Dec-12	24-Sep-13	DFS Central Lab
19-Oct-12	21-Dec-12	Virginia Peninsula Regional Jail
14-Mar-11	19-Oct-12	DFS Central Lab
20-Jan-10	14-Mar-11	Arlington County PD
30-Sep-09	20-Jan-10	DFS Central Lab
21-Nov-08	30-Sep-09	Orange County SO
27-May-08	21-Nov-08	DFS Central Lab

**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 9/27/2013**

HMS  
NMJ

**Instrument Serial Number:** 010420

**As of 27-Sep-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
24-Sep-13	24-Sep-13	HMS (18910)	CERTIFIED, REPLACED PRINTER RIBBON.
16-Sep-13	16-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
19-Oct-12	19-Oct-12	DBH (21250)	CERTIFIED.
16-Oct-12	16-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
20-Dec-10	20-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
23-Aug-10	07-Jul-10	RJP (22428)	REPLACED DRY GAS STANDARD.
07-Jul-10	07-Jul-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
20-Jan-10	20-Jan-10	RJP (22428)	CERTIFIED
26-Oct-09	26-Oct-09	HMS (18910)	REPLACED TANK TOP LID, CERTIFIED.
10-Apr-09	10-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
21-Nov-08	21-Nov-08	RJP (22428)	CERTIFIED.
11-Nov-08	11-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

AMS  
WJK

# INTOX EC/IR II

## Quality Assurance Worksheet

Instrument Serial Number 010420 Worksheet Start Date 9/23/2013

Location Galax Police Department

Address 353 N Main St., Galax, VA 24333

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

### Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies
E-Seek	2000103405	Mouthpieces
Keyboard	7ehz104701	Certificates of Analysis
Printer	7aeceb18084	Operator Worksheet
UPS	Jb08020166	Other:

**Maintenance (if any)**

Replaced printer ribbon.

**Comments (if any)**

Installed in Galax Police Department.

Instrument Serial Number 010420

Certification Date 9/24/2013

Instrument Barometer (mm HG) 699

Reference Barometer (mm HG) 701

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.230	0.223	0.236	Sample 2	0.228
Precision		sample min	sample max	Sample 3	0.227
0.001		0.227	0.228		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.138	0.133	0.142	Sample 2	0.139
Precision		sample min	sample max	Sample 3	0.139
0		0.139	0.139		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.074	0.071	0.077	Sample 2	0.073
Precision		sample min	sample max	Sample 3	0.073
0		0.073	0.073		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.018	0.015	0.021	Sample 2	0.017
Precision		sample min	sample max	Sample 3	0.017
0		0.017	0.017		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-12

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.092	0.089	0.095	Sample 2	0.091
Precision		sample min	sample max	Sample 3	0.091
0		0.091	0.091		

DFS Technician

*Heath W. Starch*

Date

9/24/13

10/21/13  
HWS

Issuing Analyst

*Michael Kennedy*

Date

10/3/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

hms  
msl

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1121  
Test Date: 09/24/2013      Test Time: 14:04 EDT

Technician Initials: HMS

Dry Gas Target: 0.230

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 688 psi      Barometric Pressure: 699 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:05
BLK	0.000	14:06
CHK	0.228	14:06
BLK	0.000	14:08
CHK	0.227	14:08
BLK	0.000	14:09
CHK	0.227	14:10
BLK	0.000	14:11

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

*HMS*  
*ASL*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1122  
Test Date: 09/24/2013      Test Time: 14:13 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.138

Lot Number: 0771315013-04      Exp Date: 05/01/2015

Tank Pressure: 183 psi      Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:14
BLK	0.000	14:15
CHK	0.139	14:15
BLK	0.000	14:17
CHK	0.139	14:17
BLK	0.000	14:18
CHK	0.139	14:19
BLK	0.000	14:20

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

*hms*  
*WSK*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1123

Test Date: 09/24/2013      Test Time: 14:22 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.074

Lot Number: 0651208012-04      Exp Date: 04/01/2014

Tank Pressure: 188 psi      Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:22
BLK	0.000	14:23
CHK	0.073	14:24
BLK	0.000	14:25
CHK	0.073	14:25
BLK	0.000	14:27
CHK	0.073	14:27
BLK	0.000	14:29

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued



HMS  
NSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1124  
Test Date: 09/24/2013      Test Time: 14:30 EDT

Technician Initials: HMS

Dry Gas Target: 0.018

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 276 psi      Barometric Pressure: 699 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:30
BLK	0.000	14:31
CHK	0.017	14:31
BLK	0.000	14:33
CHK	0.017	14:33
BLK	0.000	14:35
CHK	0.017	14:35
BLK	0.000	14:36

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS

WKR

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1125

Test Date: 09/24/2013      Test Time: 14:39 EDT

Dry Gas Target: 0.276

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 335 psi      Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:39
CHK	0.276	14:40
BLK	0.000	14:42
CHK	0.276	14:42
BLK	0.000	14:44
CHK	0.275	14:44

Test Status: *Success*

Calibration CRC: DA50A6BD

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1126

Test Date: 09/24/2013      Test Time: 14:47 EDT

Dry Gas Target: 0.092

Lot Number: AG211702-12      Exp Date: 04/26/2014

Tank Pressure: 375 psi      Barometric Pressure: 699 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:47
CHK	0.091	14:48
BLK	0.000	14:50
CHK	0.091	14:50
BLK	0.000	14:52
CHK	0.091	14:52

Test Status: *Success*

Calibration CRC: DA50A6BD



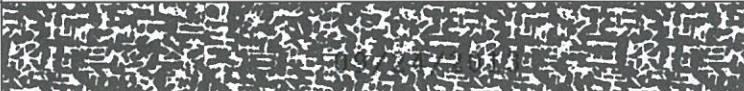
COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS  
RDK

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/24/2013</b>
TEST EQUIPMENT NUMBER <b>010420</b>		

RESULTS: TIME SAMPLE TAKEN 15:00 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE

FOR COURT



# IntoxNet MIS Report

Report Generated 27 Sep 2013 at 08:48

AMS  
NCR

## Test Results

Instrument Serial Number 010420

Test # 001127 Subject Test

Test Location 1 Department of  
Test Date 24 Sep 2013

Test Location 2 Forensic Science  
Test Time 14:54  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 24 Sep 2013 End Time 15:01

Result Time 15:00

Result Date 24 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:54

Data Type BLK

Sample Value 0.000

Sample Time 14:55

Data Type CHK

Sample Value 0.091

Sample Time 14:56

Data Type BLK

Sample Value 0.000

Sample Time 14:57

Data Type SUBJ

Sample Value 0.000

Sample Time 14:58

Data Type BLK

Sample Value 0.000

Sample Time 14:58

Data Type SUBJ

Sample Value 0.000

Sample Time 15:00

Data Type BLK

Sample Value 0.000

Sample Time 15:01

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG211702-12

Standard Expiration Date 04/26/2014

Tank Pressure 370

Barometric Pressure 699 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1727 cc End-of-Blow Time 14:58

Blow Sample Number 2 Blow Duration 3.30 sec

Blow Volume 1744 cc End-of-Blow Time 15:00

Tamper Evident Stamp 89d90f2e

Test Status Code 0

Test Status Success